Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

Index to recent Literature relating to American Botany

Beal, W. J. The Study of Botany thirty-six Years ago with Asa Gray. School Science, **1**: 296. N. 1901.

Bitter, G. Zur Morphologie und Systematik von Parmelia, Untergattung Hypogymnia. Hedwigia, **40**: 171–192. *pl. 10, 11.* 20 Je. 1901; 193–256. 15 Au. 1901; 257–274. *f. 18–21.* 20 O. 1901.
Includes new species.

Blackman, F. F. & Matthaei, G. L. C. On the Reaction of Leaves to traumatic Stimulation. Annals Bot. **15**: 533–546. *f. 4–8. pl. 29.* S. 1901.

Brotherus, V. F. Die Laubmoose der ersten Regnellschen Expedition. Bihang Svenska Vet.-Akad. Handl. **26**[7]: 1–65. 1900.
New species in *Bruchia, Dicranella* (3), *Trematodon, Campylopus, Ochrobryum, Fissidens* (6), *Mönckemeyera, Calymperes, Hyophila* (2), *Tortella, Barbula, Hymenostomum, Glyphomitrium* (2), *Macromitrium, Schlotheimia* (2), *Funaria, Physcomitrium* (4), *Philonotis* (2), *Bryum* (3), *Catharinea, Solmsiella, Hookeria* (4), *Braunia, Cryphaea, Meteorium, Pilotrichella, Porotrichum, Thamnium, Sematophyllum, Rhaphidostegium, Isopterygium, Microthamnium* (2), *Ectropothecium, Stereophyllum* (3), *Hypnum* (3), and *Thuidium* (2).

Brun, J. Diatomées d'eau douce de l'Ile Jan Moyen et de la côte est du Groenland, récoltées par l'Expedition Suedoise de 1899. Bihang Svenska Vet.-Akad. Handl. **26**[18]: 1–22. *pl. 1–2.* 1901.

Carleton, M. A. Macaroni Wheats. Bull. U. S. Dept. Agric. (Plant Ind.) 3: 1–62. *pl. 1–11.* 23 D. 1901.

Church, A. H. Note on *Phyllotaxis.* Annals Bot. **15**: 481–490. *f. 2, 3.* S. 1901.

Collins, F. S. The Algae of Jamaica. Proc. Am. Acad. Arts and Sciences, **37**: 231–270. N. 1901.
New species in *Dictyerpa* (gen. nov.), *Scytonema, Diplochaete* (gen. nov.), *Cladophora, Goniotrichum, Cordylecladia,* and *Antithamnion.*

Ferguson, M. C. The Development of the Egg and Fertilization in *Pinus Strobus.* Annals Bot. **15**: 435–479. *pl. 23–25.* S. 1901.

Greene, E. L. Certain Canadian Violets. Ottawa Nat. **15**: 191, 192. 3 D. 1901.
Viola leucopetala, sp. nov.

Hall, A. D. Simple Apparatus for the Measurement of Transpiration from a Shoot. Annals Bot. **15**: 558–560. *f. 9.* S. 1901.

Hesselman, H. Om Mykorrhizabildningar hos Arktiska Växter. Bihang Svenska Vet.-Akad. Handl. **26**[2]: 1–46. *pl. 1–3.* 1900.

Kearney, T. H. Report on a Botanical Survey of the Dismal Swamp Region. Contr. U. S. Nat. Herb. **5**: i–x, 321–555. *pl. 66–76.* + *f. 51–85.* 6 N. 1891.

Kindberg, N. C. Grundzüge einer Monographie über die Laubmoosfamilie Hypopterygiaceae. Hedwigia, **40**: 275–303. 20 O. 1901.
Includes several American species.

Lagerheim, G. Mykologische Studien. III. Beiträge zur Kenntniss der parasitischen Bacterien und der Bacterioiden Pilze. Bihang Svenska Vet.-Akad. Handl. **26**[4]: 1–21. *pl. 1.* 1900.

Lang, W. H. On Apospory in *Anthoceros laevis.* Annals Bot. **15**: 503–510. *pl. 27.* S. 1901.

Lewton-Brain, L. *Cordyceps ophioglossoides* (Ehrh.). Annals Bot. **15**: 521–531. *pl. 2.* S. 1901.

Lindman, C. A. M. Beiträge zur Palmenflora Südamerikas. Bihang Svenska Vet.-Akad. Handl. **26**[5]: 1–42. *pl. 1–6.* + *f. 1–10.* 1900.
New species or varieties in *Desmoncus, Bactris* (2) and *Cocos.*

Lindman, C. A. M. Einige neue Brasilianische Cyclanthaceen. Bihang Svenska Vet.-Akad. Handl. **26**[8]: 1–11. *pl. 1–4.* 1900.
New species in *Carludovica* (2) and *Evodianthus.*

Lindman, C. A. M. List of Regnellian Cyperaceae collected until 1894. Bihang Svenska Vet.-Akad. Handl. **26**[1]: 1–56. *pl. 1–8.* 1900.
New species in *Eleocharis, Bulbostylis, Dichromena, Pleurostachys, Scleria* and *Carex.*

Loew, O. & May, D. W. The Relation of Lime and Magnesia to Plant Growth. Bull. U. S. Dept. Agric. (Plant Ind.) 1: 1–53. *pl. 1–3.* 4 O. 1901.

Malme, G. O. A. Beiträge zur Xyridaceen-Flora Südamerikas. Bihang Svenska Vet.-Akad. Handl. **26**[19]: 1–18. *pl. 1.* 1901.
New species or varieties in *Xyris* (4), and *Abolboda,* three of them illustrated in the plate by life-size photogravures.

Masters, M. T. Hybrid Conifers. Journ. Roy. Hort. Soc. **26**: 97–110. *f. 25–33.* Au. 1901.

Meehan, T. *Cystopteris bulbifera.* Meehan's Monthly, **11**: 177, 178. *pl. 12.* D. 1901.